

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously Presented) A transmitting apparatus comprising:

change detection means of detecting whether an image to be processed is changed exceeding a predetermined criterion;

compression means including a time management means of managing a predetermined time, wherein the compression means compresses said image so that a compression degree may be higher when a detection result by said change detection means indicates that said image is changed exceeding said predetermined criterion, and when the case where the detected result by said change detection means indicates that said image is changed not exceeding said predetermined criterion elapsed by said predetermined time, compresses said image so that the compression degree may become lower; and

output means of outputting said compressed image.

2. (Previously Presented) The transmitting apparatus according to claim 1, wherein

said image to be processed is temporarily stored in an image memory, and

said change detection means periodically reads said image from said image memory to compare said before and after images, and detects whether said image to be processed is changed exceeding said predetermined criterion.

3. (Original) The transmitting apparatus according to claim 1, wherein

said predetermined criterion is the number of pixels changed between said before image and said after image.

4. (Original) The transmitting apparatus according to claim 1, wherein said predetermined criterion is a level by which to determine that said image has not been changed, if said region where the image is changed is smaller than a predetermined size in area, and is in the same position as the previously detected region where the image was changed.

5. (Original) The transmitting apparatus according to claim 1, wherein said compression means compresses said image by changing the compression ratio of said image according to a degree of change in said image detected by said change detection means.

6. (Original) The transmitting apparatus according to claim 1, wherein
while said image is not changed, except for every predetermined period, said compression means does not compress said image and said output means does not output said image, and

said compression means compresses said image at every predetermined period and said output means outputs said image at every predetermined period.

7. (Original) The transmitting apparatus according to claim 6, wherein said compression means does not compress said image when said predetermined period is repeated for a predetermined number of times or more, and said output means does not output said image when said predetermined period is repeated for said predetermined number of times or more.

8. (Original) The transmitting apparatus according to claim 7, wherein when compressing said image at said every predetermined period, said compression means compresses said image to be compressed later at a compression ratio lower than a compression ratio of said image compressed earlier.

9. (Original) The transmitting apparatus according to claim 1, wherein

said image to be processed is that generated by an image signal generating apparatus, and

said image signal generating apparatus is a personal computer.

10. (Previously presented) The transmitting apparatus according to claim 1, wherein

for each of a plurality of blocks into which said image that is generated by said image signal generating apparatus is zone-divided, said change detection means detects whether said image to be processed is changed exceeding said predetermined criterion, and

for every said block in which it has been detected whether said image to be processed is changed exceeding said predetermined criterion, said compression means compresses said image so that the compression degree may become higher when said detection result by said change detection means indicates that said image is changed exceeding said predetermined criterion elapsed by said predetermined time, compresses said image so that the compression degree may become lower when said detection result by said change detection means indicates that said image is changed not exceeding said predetermined criterion.

11. (Previously Presented) An image processing system comprising:

an image signal generating apparatus of generating an image;

a transmitting apparatus including change detection means of detecting whether said image to be processed that is generated by said image signal generating apparatus is changed exceeding a predetermined criterion, compression means of compressing said image so that a compression degree may be higher when said detection result by said change detection means indicates that said

image is changed exceeding said predetermined criterion, and when said detection result by said change detection means indicates that said image is changed not exceeding said predetermined criterion elapsed by said predetermined time, compressing said image so that the compression degree may become lower, and transmission means of transmitting said compressed image, wherein said compression means comprises a time management means of managing said predetermined time; and

a receiving apparatus including expanding means of expanding said transmitted image utilizing information regarding compression of said image by said compression means, and output means of outputting said expanded image.

12. (Original) The image display system according to claim 11, wherein

said transmitting apparatus also serves as said image signal generating apparatus, and

said transmitting apparatus and said image signal generating apparatus are a personal computer.

13. (Currently Amended) The image ~~display~~processing system according to claim 11, wherein said receiving apparatus is a projector.

14. (Currently Amended) An image processing method comprising:

change detection step of detecting whether an image to be processed is changed exceeding a predetermined criterion;

compression step including a time management step of managing a predetermined time, wherein the compression step compresses said image so that a compression degree may become higher when a detection result by said change detection step indicates that said image is changed exceeding said predetermined criterion, and when said detection result by said change detection ~~means~~step

indicates that said image is changed not exceeding said predetermined criterion elapsed by said predetermined time, compressing said image so that compression degree may become lower; and

output step of outputting said compressed image.

15. (Currently Amended) A recording medium storing a program of causing a computer to function, in the transmitting apparatus according to claim 1, as:

change detection means of detecting whether an image to be processed is changed exceeding a predetermined criterion;

compression means including a time management means of managing a predetermined time, wherein the compression means compresses said image so that a compression degree may become higher when a detection result by said change detection means indicates that said image is changed exceeding said predetermined criterion, and when said detection result by said change detection means indicates that said image is changed not exceeding said predetermined criterion elapsed by said predetermined time, compresses said image so that compression degree may become lower; and

output means of outputting said compressed image, wherein said recording medium is computer processable.

16. (Cancelled)

17. (New) A transmitting apparatus including

change detection means of detecting whether an image to be processed is changed exceeding a predetermined criterion,

compression means of compressing said image so that the compression

degree of a predetermined rectangular region including the changed region may become higher when a detected result by said change detection means indicates that said image is changed exceeding said predetermined criterion, and when the detected result by said change detection means indicates that said image is not changed exceeding said predetermined criterion, of compressing said image so that a compression degree of a rectangular region including all of said rectangular regions among former images than said image may become lower,

output means of outputting said image in the predetermined rectangular region including the changed region when the detected result by said change detection means indicates that said image is changed exceeding said predetermined criterion, and when the detected result by said change detection means indicates that said image is not changed exceeding said predetermined criterion, of outputting said image in said rectangular region including all of said rectangular regions.

18. (New) A transmitting apparatus according to claim 17, wherein

said image to be processed is temporarily stored in an image memory, and

said change detection means periodically reads said image from said image memory to compare said before and after images, and detects whether said image to be processed is changed exceeding said predetermined criterion.

19. (New) A transmitting apparatus according to claim 17, wherein said predetermined criterion is the number of pixels changed between said before and after images.

20. (New) A transmitting apparatus according to claim 17, wherein said predetermined criterion is used to determine that said image is not changed, if the region where said image is changed is smaller than a predetermined size in area, and is in the same position as the previously detected region where said image is changed.

21. (New) The transmitting apparatus according to claim 17, wherein said compression means compresses said image by changing compression ratio of said image according to a degree of change in said image detected by said change detection means.

22. (New) The transmitting apparatus according to claim 17, wherein

during said image is not changed, except for every predetermined period, said compression means does not compress said image and said output means does not output said image, and

said compression means compresses said image at every predetermined period and said output means outputs said image at said every predetermined period.

23. (New) The transmitting apparatus according to claim 22, wherein when said predetermined period is repeated for the predetermined number of times or more, said compression means does not compress said image, and when said predetermined period is repeated for said predetermined number of times or more, said output means does not output said image.

24. (New) The transmitting apparatus according to claim 23, wherein when compressing said image at said every predetermined period, said compression means compresses said image to be compressed later at a compression ratio lower than a compression ratio of said image to be compressed earlier.

25. (New) The transmitting apparatus according to claim 17, wherein

said image to be processed is one that is generated by an image signal generating apparatus, and

said image signal generating apparatus is a personal computer.

26. (New) The transmitting apparatus according to claim 17, wherein

for each of a plurality of blocks into which said image that is generated by said image signal generating apparatus is zone-divided, said change detection means detects whether the image to be processed is changed exceeding said predetermined criterion, and

for said every block in which said image to be processed is detected to be changed exceeding said predetermined criterion, said compression means compresses said image so that the compression degree of the predetermined rectangular region including said changed region may become higher, and compresses said image so that the compression degree of a region other than said rectangular region may become lower.

27. (New) An image processing system including,

an image signal generating apparatus of generating an image,

a transmitting apparatus including change detection means of detecting whether the image to be processed, which is generated by said image signal generating apparatus is changed exceeding a predetermined criterion, compression means of compressing said image so that a compression degree of the predetermined rectangular region including said changed region may become higher when the detected result by said change detection means indicates that said image is changed exceeding said predetermined criterion, and when the detected result by said change detection means indicates that said image is not changed exceeding said predetermined criterion, of compressing the image so that a compression degree of a rectangular region including all of the rectangular regions among former images than said image may become lower, and output means of outputting said image in the predetermined rectangular region including said changed region when the detected result by said change detection means indicates that said image is changed exceeding said predetermined criterion, and when the detected result by said change detection means indicates that said image is not

changed exceeding said predetermined criterion, of outputting said image in said rectangular region including all of said rectangular regions,

a receiving apparatus including expanding means of expanding said transmitted image utilizing information regarding compression of said image by said compression means, and output means of outputting said expanded image.

28. (New) The image processing system according to claim 27, wherein

said transmitting apparatus also serves as said image signal generating apparatus, and

said transmitting apparatus and said image signal generating apparatus are a personal computer.

29. (New) The image processing system according to claim 27, wherein said receiving apparatus is a projector.

30. (New) An image processing method including,

a detection step of detecting whether an image to be processed is changed exceeding a predetermined criterion,

a compression step of compressing said image so that a compression degree of the predetermined rectangular region including said changed region may become higher, when the detected result by said change detection means indicates that said image is changed exceeding said predetermined criterion, and when the detected result by said change detection means indicates that said image is not changed exceeding said predetermined criterion, compressing said image so that a compression degree of a rectangular region including all of said rectangular regions among former images than said image may become lower, and

an output step of outputting said image in the predetermined rectangular

region including said changed region when the detected result by said change detection means indicates that said image is changed exceeding said predetermined criterion, and when the detected result by said change detection means indicates that said image is not changed exceeding said predetermined criterion, outputting said image in said rectangular region including all of said rectangular regions.

31. (New) A recording medium of storing a program of causing the computer to function, in the transmitting apparatus according to claim 17, as:

change detection means of detecting whether an image to be processed is changed exceeding a predetermined criterion,

compression means of compressing said image so that a compression degree of the predetermined rectangular region including said changed region may become higher, when the detected result by said change detection means indicates that said image is changed exceeding said predetermined criterion, and when the detected result by said change detection means indicates that said image is not changed exceeding said predetermined criterion, of compressing the image so that a compression degree of a rectangular region including all of said rectangular regions among former images than said image may become lower,

output means of outputting said image in the predetermined rectangular region including said changed region when the detected result by said change detection means indicates that said image is changed exceeding said predetermined criterion, and when the detected result by said change detection means indicates that said image is not changed exceeding said predetermined criterion, outputting said image in said rectangular region including all of said rectangular regions, wherein the recording medium is computer processable.